

ELECTRONIC TUBE REFERENCE

7715

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Shielded-grid high-mu pulse-switch triode for radar hard-tube modulators. Extreme pulse-voltage, high current, and multi-megawatt peak output capability specialize it for very-high-power short-duration switching service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 60 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	400
MAXIMUM PLATE VOLTAGE	65000 V
MAXIMUM PLATE DISSIPATION	3000 W
MAXIMUM GRID DISSIPATION	25 W
MAXIMUM CATHODE CURRENT	90 A
Applicable promoted ratings populated from printed headings; remaining published device-specific data retained as parameters.	

Shielded-grid high-mu pulse-switch triode for radar hard-tube modulators.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 Machlette Laboratories

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1971 MACHLETTE LABORATORIES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Plate Voltage	70000 V	Pulse
DC Grid Voltage	-600 V	—
Peak Positive Grid Voltage	1500 V	—
Peak Negative Grid Voltage	-1500 V	—
DC Plate Current	600 mA	—
Typical Pulse Power Output	3.5 MW	Pulse

TUBE TINKER

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and their source documents.

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